

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau(43) International Publication Date  
3 June 2004 (03.06.2004)

PCT

(10) International Publication Number:  
WO 2004/046138 A1

(51) International Patent Classification<sup>7</sup>: C07D 413/12, 265/32, 409/12, A61K 31/5377, A61P 7/02, 9/00, 35/00

(74) Common Representative MERCK PATENT GMBH; Frankfurter Strasse 250, 64293 Darmstadt (DE).

(21) International Application Number: PCT/EP2003/012080

(22) International Filing Date: 30 October 2003 (30.10.2003)

(25) Filing Language: German

(26) Publication Language: German

(30) Priority Data: 102 54 336.4 21 November 2002 (21.11.2002) DE

(71) Applicant (for all designated States except US): MERCK PATENT GMBH [DE/DE]; Frankfurter Strasse 250, 64293 Darmstadt (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): DORSCH, Dieter [DE/DE]; Königsberger Strasse 17A, 64372 Ober-Ramstadt (DE). CEZANNE, Bertram [DE/DE]; Bahnstrasse 74, 64546 Mörfelden-Walldorf (DE). MEDERSKI, Werner [DE/DE]; Katzenelnbogenweg 1, 64673 Zwingenberg (DE). TSAKLAKIDIS, Christos [GR/DE]; Im Langgewann 54, 69469 Weinheim (DE). WURZIGER, Hanns [DE/DE]; Greinstrasse 7b, 64291 Darmstadt (DE). GLEITZ, Johannes [DE/DE]; Liebigstrasse 26, 64293 Darmstadt (DE). VAN AMSTERDAM, Christoph [DE/DE]; Schepp-Allee 47, 64295 Darmstadt (DE).

(81) Designated states (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

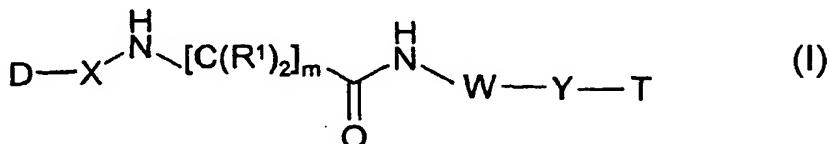
(84) Designated states (regional): ARIPO Patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian Patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European Patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI Patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CARBOXAMIDES



(57) Abstract: Novel compounds of the formula (I), in which D, W, X, Y, T, m and R<sup>1</sup> have the meaning indicated in Patent Claim 1, are inhibitors of coagulation factor Xa and can be employed for the prophylaxis and/or therapy of thromboembolic diseases and for the treatment of tumours.